



AMAZONE

Mounted spreader **ZA-TS**



**AMAZONE spreaders
meet all European
environmental
standards**

ZA-TS mounted spreader

The high output spreaders from AMAZONE



❗ "If everything is adjusted correctly, then one doesn't need to worry about anything."

(profi – Spreading systems in practice "hydraulic or mechanical". · 06/2017)

❗ "The application rate of the weigh cell spreader was always correct. We also liked the lateral and longitudinal distribution."

(dlz agrar magazine – Long term test ZA-TS "Wide throwing master" · 01/2016)

The ZA-TS mounted spreader is available with hopper capacities from 1,400 to 5,000 l. The TS spreading unit enables working widths of up to 54 m along with excellent border spread patterns, making the ISOBUS ZA-TS mounted spreader one of the absolute high output spreaders.

The reliable weighing system, its precise border spreading system, together with the new BorderTS border spreading system alongside the innovative WindControl and Argus Twin systems put this fertiliser spreader in a class of its own.



ZA-TS

precise – quick – comfortable

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! "Anyone who operates in sloping terrain or that has to struggle against heavily deviating fertiliser properties, or on very large working widths with poor throwing fertilisers, will be grateful for this new precision."

(dlz agrar magazine – Long term test ZA-TS 3200 Profis Hydro ·
02/2017)

ZA-TS mounted spreader



15 m – 54 m



1,400 l – 5,000 l



8 to 128 part-width sections



Mechanical or hydraulic

The advantages at a glance:

- + Efficient and intelligent**
Precise spread patterns with working widths of up to 54 m and application rates of 650 kg/min
- + ProfisPro – spread rate calibration**
Absolutely accurate application rates from the very first second irrespective of which side
- + WindControl**
Windless conditions at the touch of a button – compensation for the effects of the wind on the lateral distribution
- + ArgusTwin – spread fan monitoring**
Permanent monitoring – optimum lateral distribution under any conditions
- + HeadlandControl – headland optimisation**
Uniform crops across the headland – optimised parabolic Section Control
- + AutoTS and BorderTS – border spreading systems**
Proven precision – maximum yield at the field boundaries

MORE INFORMATION

www.amazone.net/za-ts



PRODUCT FILM
Find out more



DOWNLOADS
mySpreader App



SMARTLEARNING
www.amazone.net/smartlearning

The best of both worlds

Cathodic dip painting (CDP) combined with powder coating

7 years
guarantee

against perforation corrosion



register
enregistrer
registrieren



The new paint system, in combination with the use of largely stainless steel components provides high levels of availability and durability, rounded off by the use of impact-resistant and UV-resistant plastic sieves.



The KTL dip-paint priming of all components ensures virtually full-area corrosion protection.



Double protection through the additional thick powder coating, providing increased protection against mechanical wear and tear.

High-quality, multi-layer paint

The paintwork on a fertiliser spreader is exposed to particular demands. The paintwork is intended to protect the spreader from corrosion, especially when handling fertiliser and where moisture is involved. Starting with the 2022 model year, there is a new painting process for the ZA-V, ZA-TS and ZG-TS fertiliser spreader ranges. This involves, on the one hand, a cathodic dip painting process (known as KTL) for priming to give the best possible protection on the internal surfaces of tubes and box sections and, on the other hand, a powder coating process to create a high-quality visual finish with extra-thick paint providing increased protection against mechanical demands.

7 year manufacturer's guarantee

Based on this optimum painting process, AMAZONE is able to offer its customers a manufacturer guarantee of seven years against rusting through. From 01/01/2023, customers can apply to have the guarantee activated for ZA-V, ZA-TS, and ZG-TS models, starting from the 2022 model year. This registration is done very simply via the manufacturer's

portal, myAmazone, bearing in mind the terms and conditions (www.amazone.net/7-years) stated there. After registration, one can continue to work without any worries.

The benefits

- ✔ **Cathodic dip painting process**
 - Suppression of rust infiltration
 - Best possible protection, even on the inner surfaces of tubes and box sections
- ✔ **Powder coated top coat**
 - Double protection through additionally applied powder coating
 - Improved resistance against everyday wear and tear
- ✔ **Quality and reliability**
 - All the components on the spreading unit and all the hydraulic fittings are made of stainless steel
 - Impact, UV and chemical resistant plastic sieves

High-quality, multi-layer paint finish – the most modern from all angles:

- ① 14-stage **painting preparation** (e.g. degreasing)
- ② **Zinc phosphating** provides the most effective counteraction of rust formation
- ③ **Thick cathodic dip priming** for full corrosion protection, even in cavities and those hard-to-reach areas
- ④ **Powder coating** for a high-quality appearance and extra thick paint for increased protection against mechanical demands



The combination of tried and tested painting techniques brings together the best from all areas, resulting in a high-quality, multi-layer paint finish

Frame and hopper

Strength pays dividends



ZA-TS 2000 Profis Tronic

Outstanding design: mounted spreader with 4,500 kg payload.

The frames

- ✔ **Super frame:** 3,200 kg payload, Cat. II linkage dimensions and fixing pins.
- ✔ **Ultra frame:** 4,500 kg payload, Cat. III linkage dimensions and Cat. II/III fixing pins.

The benefits

- ✔ lightweight frame design with excellent rigidity
- ✔ optimised centre of gravity and yet plenty of space for hitching up

- ❗ "For Amazone, their payload of up to 4.5 t is the highest."
(profi – Practice test "Four fertiliser spreaders in comparison" · 01/2016)

The deep-drawn hopper

The basic hopper has a capacity of 700 l. It is a deep-drawn meaning that it does not have any corners, edges, and welded seams. This ensures a continuous and even flow of fertiliser. Also the cleaning of the spreader is made easy thanks to this design.



The benefits of the design

- ✔ No edges and weld seams, one-piece hopper
- ✔ Optimum fertiliser flow, consistent passage
- ✔ No residues
- ✔ Open frame structure facilitates easy cleaning
- ✔ Electronic components protected in the box section frame

✔ Quick Hitch Adapter

Mounted spreaders with Ultra or Ultra Profis frames for a payload up to 4,500 kg can also be mounted on the tractor using the Quick Hitch quick-coupling system. This involves replacing the 3-point mounting frame by a Quick Hitch Adapter.



The extensions

In two widths and many volumes

The wide ones

with a filling width of 2.71 m and foldable ladders



L 2200 extension



L 2700 extension



L 3200 extension



L 4200 extension



L 5000 extension

The narrow ones

with a filling width of 2.22 m



S 1400 extension S 1700 extension



S 2000 extension



S 2600 extension with foldable ladder

Additional bolt-on extensions
 For a subsequent increase in hopper capacity for the ZA-TS, AMAZONE offers for both the S and L base machines a suitable bolt-on extension. The volume of the extension is 600 l for S hoppers and 800 l for L hoppers.

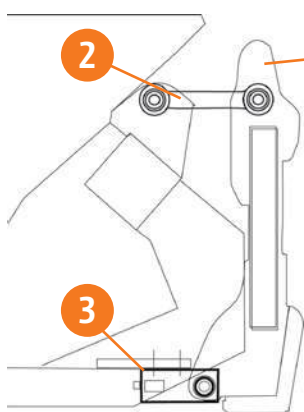
- ✔ Direct filling from a tipping trailer or big bags is no problem. Especially when using large loading shovels the wide L extension is of major benefit.

Profis weighing system

He who weighs wins!



- ✔ Filling aid in combination with the Profis weighing system
 Initial flashing followed by the constant lighting up of the work lights signals that the fill level has been reached.



- ① Weighing frame
- ② Horizontally aligned tie rods
- ③ Weigh cells



✔ Compact tractor mounting

No calibration. Top up the spreader hopper up and off we go! There is nothing simpler.

The weighing system offers controlled convenience and more reliability. It enables on-line determination of the different spreading material properties with two 200 Hz load cells – providing a high level of measuring accuracy. It automatically compares the actually applied rate with the pre-determined rate. Deviations in the flow characteristics, for example when spreading blended mineral fertilisers, are

detected and the spreader is re-adjusted automatically via the electric metering shutter slides. In addition, for field-related nutrient application, for example, the applied rate is precisely documented. In addition, the application rate can be altered at any time by pressing a button on the ISOBUS terminal.

Tilt sensor for heavily undulating terrain

On the Profis system, any possible effects of gravity on the measuring of the hopper contents are taken into account during work with the help of a tilt sensor: A twin-axis tilt sensor that assesses the front and back tilt as well as to the left and right, corrects measurement errors that may arise when going up and down hills or when driving across a hillside.

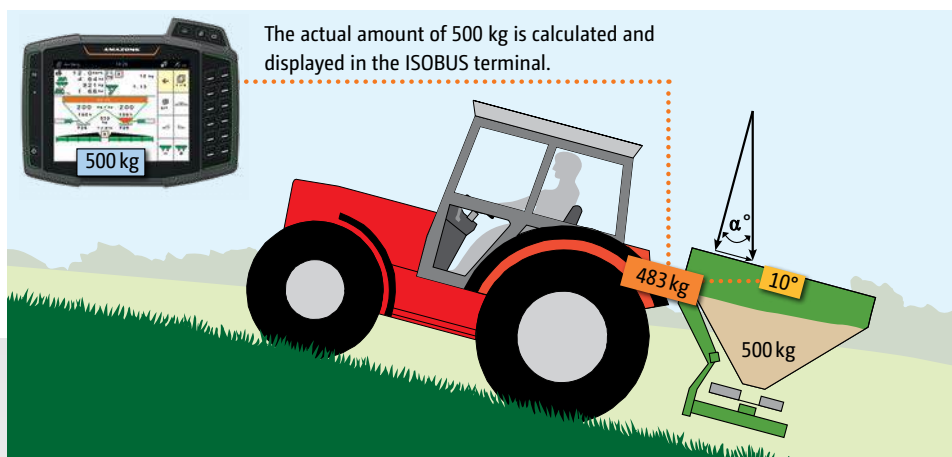
The benefits

Regulating/calibrating under all operating conditions:

- ✔ Side, border and water course spreading
- ✔ Part-width section control
- ✔ Using application maps/N-sensors
- ✔ Spreading of mixed fertilisers

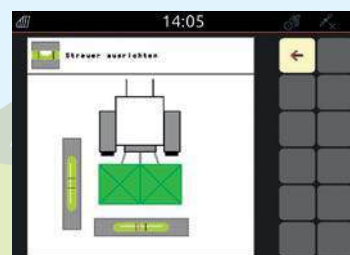
Accurate weight measurement:

- ✔ display of residual volume
- ✔ Residual area and residual hopper level display
- ✔ Documentation of the total volume spread



Example:

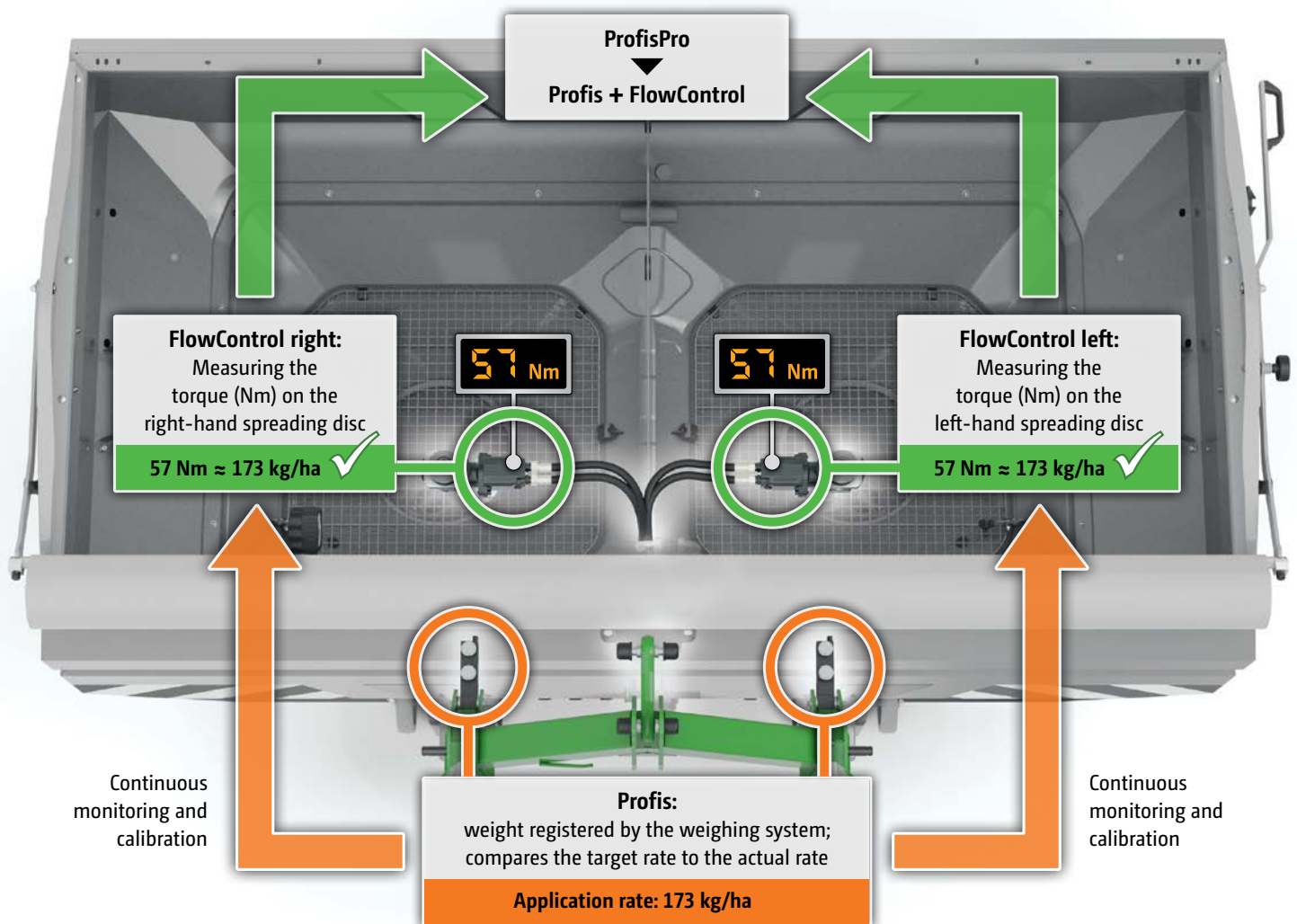
- the tilt sensor records the inclination of 10°
- The weigh cell on the ZA-TS Profis records 483 kg



- ✔ For simplifying the mounting of the ZA-TS onto the tractor in the horizontal position, the angle of the ZA-TS Profis is comfortably displayed in the ISOBUS terminal.

ProfisPro weighing system with torque measuring

The ProfisPro intelligent weighing system combines the benefits of the weighing system with the FlowControl torque measuring system



✓ ProfisPro

The spread rate regulation between the Profis weighing system and the FlowControl sensors is a unique selling feature for AMAZONE.

✓ ProfisPro for Tronic and Hydro

The intelligent ProfisPro weighing system is available for both the Tronic version with mechanical drive, and the Hydro version with hydraulic drive.



Precise application rate from the very first second, independent of which side

Rate calibration completely thought through: ProfisPro

The correlation between application rates and the torque generated at the spreading disc at different working widths has been determined for all types of fertiliser on the basis of numerous spreading tests. Put simply: low application rates generate less torque on the disc than higher rates.

FlowControl reliably monitors the torque on each spreading disc drive independently and can immediately adjust the position of the application rate shutters in the event of a deviation from the target rate.

Optimised spread rate from the very first second

This combination of weighing system and FlowControl enables the fertiliser spreader to use torque in order to regulate its theoretical application rate over the complete spreading process. The Profis weighing system monitors the actual spread rate every 25 kg. This allows FlowControl to recalibrate itself at regular intervals. This takes place without any need to stop. The ProfisPro intelligent weighing system means that the spread rate is optimised from the very first second of the spreading process.

In addition, the driver has an overview of the actual quantity remaining in the hopper at all times as well as the possibility to display the remaining distance to travel until empty.

The benefits

Absolute precision from the very first second

- ✔ Simultaneous regulation via the weighing system and torque measurement
- ✔ Calibration and regulation of application rate in all field situations (border spreading/Section Control)

Exact application rate in any field situation

- ✔ Regulation of the shutter slides, even when using application maps, independent of which side

Reliable application down to the last kilogram

- ✔ Detection of empty runs and blockages
- ✔ Absolute weight recognition using the weighing system

Reliable down to the last detail

FlowCheck for monitoring the shutter apertures

AMAZONE offers the FlowCheck monitoring device for the ZA-TS Hydro series as an inexpensive alternative to FlowControl.

Whereas FlowControl can control and adjust the application rate independently to each side, FlowCheck only detects blockages and when one of the two shutter apertures is running empty. Should a blockage occur, both systems rectify the fault by quickly opening and closing the shutter slide whilst simultaneously reversing the agitator. This means absolute reliability of operation for the farmer.



✔ FlowCheck sensors in the hydraulic circuit

Low level sensors

When spreading on slopes, or when border spreading, it can happen that one hopper tip empties quicker than the other. In order to check each outlet apertures individually, AMAZONE therefore additionally offers low level hopper sensors. With a premature emptying of one side, the relevant hopper tip is indicated in red in the operator terminal so that the driver is warned early enough.



✔ Low level sensor for the ZA-TS
The driver receives a warning message early enough when either hopper tip is almost empty.

The spreading disc drive

Mechanical or hydraulic, choose for yourself!

Tronic – mechanical spreading disc drive

The spreading unit is driven via the PTO shaft on the Tronic version. In this case, the spreader is protected from overload, as standard, by a universal drive shaft with friction coupling. The input speed from the tractor PTO is transmitted via the central gearbox resulting in an increased spreading disc speed. This allows fertilisation at low engine revs across the maximum working width.

With the mechanically-driven spreaders, either 8 or 16 part-width sections are switchable, depending on the operator terminal.



✔ ZA-TS-Tronic – mechanical spreading disc drive

Hydro – hydraulic spreading disc drive

The Hydro version makes operation possible irrespective of the tractor's engine revs and with different spreading disc speeds. In this way, fuel is saved and a particularly comfortable and precise spreading is ensured. The spreader also operates at various different spreading disc speeds when border spreading, so that the best-possible lateral distribution can be achieved in the overlap area and to the field boundary.

- ✔ The side-independent regulation of the spreading disc speed permits even more precise spreading on wedge-shaped fields. Up to 128 part-width sections are possible in combination with SectionControl.
- ✔ With a pressure filter as standard



✔ ZA-TS- Hydro – hydraulic spreading disc drive

Soft Ballistic System pro

For an even gentler fertiliser handling



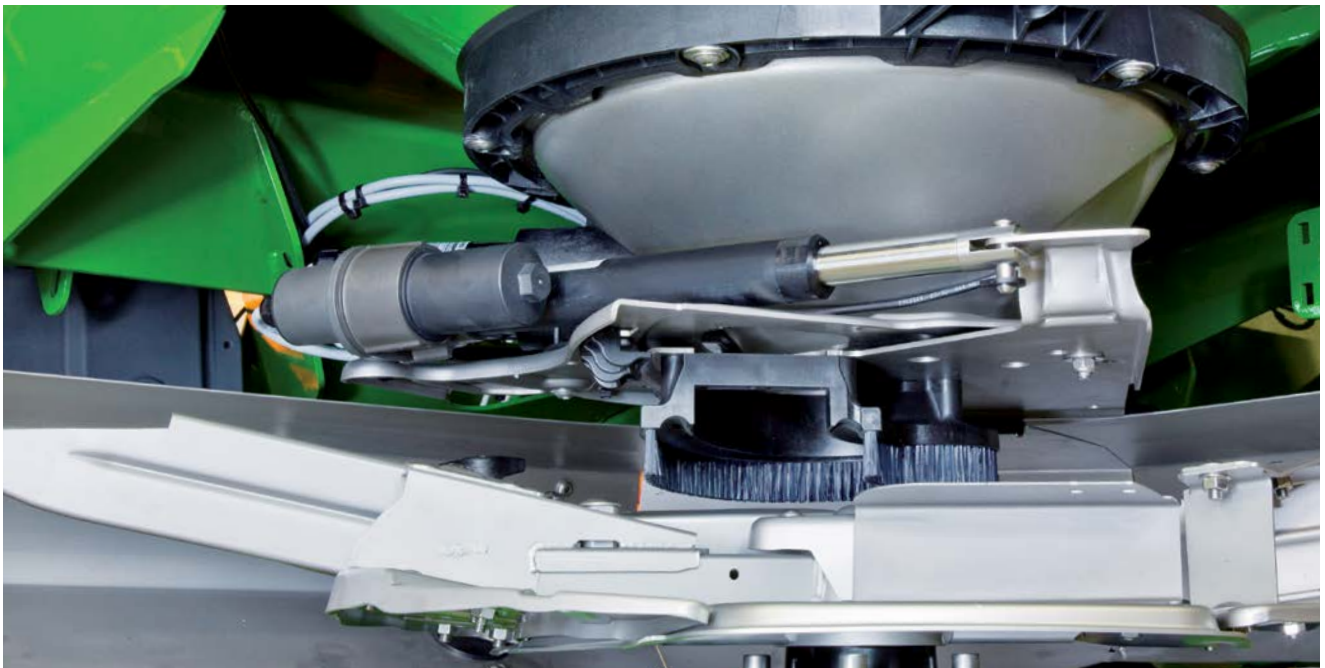
Decisive advantages with SBS pro

Mineral fertiliser needs to be gently handled to ensure a precise distribution and an exact placement to the plant over the entire working width. Fertiliser, which has been damaged whilst going through the spreader, will not be precisely distributed.

As a safety feature, AMAZONE Soft Ballistic System pro is integrated as standard. The agitator, metering components and spreading discs are optimally tailored to each other. This protects the fertiliser and secures your yields.

1. Gentle guidance

The electrically-driven star agitators in the hopper bottoms ensure an even fertiliser flow onto the spreading discs. The slowly rotating, star shaped segments of the agitator evenly deliver the fertiliser to the relevant shutter opening. When the delivery system is adjusted, the agitator star rotates as well so that it is always perfectly positioned above the aperture. The agitator switches off automatically when the shutter slide is closed.



✔ Spreading system with delivery system, brush kit and spreading disc



2. Gentle delivery

Due to the delivery system, adjustment of the throwing width and throwing direction can be regulated. In addition, the working width can be adjusted each side individually by changing the disc speed. The fertiliser is fed on centrally at a low peripheral speed resulting in little fertiliser damage. The concentric delivery system adjustment results always in a gentle handling of the fertiliser.

3. Gentle acceleration

With a standard disc speed from 600 rpm up to 900 rpm, the AMAZONE's Soft Ballistic System pro gently accelerates

the fertiliser. Even fertiliser types with minimal breaking strength maintain their spreading properties and provide a clean, even spread pattern.

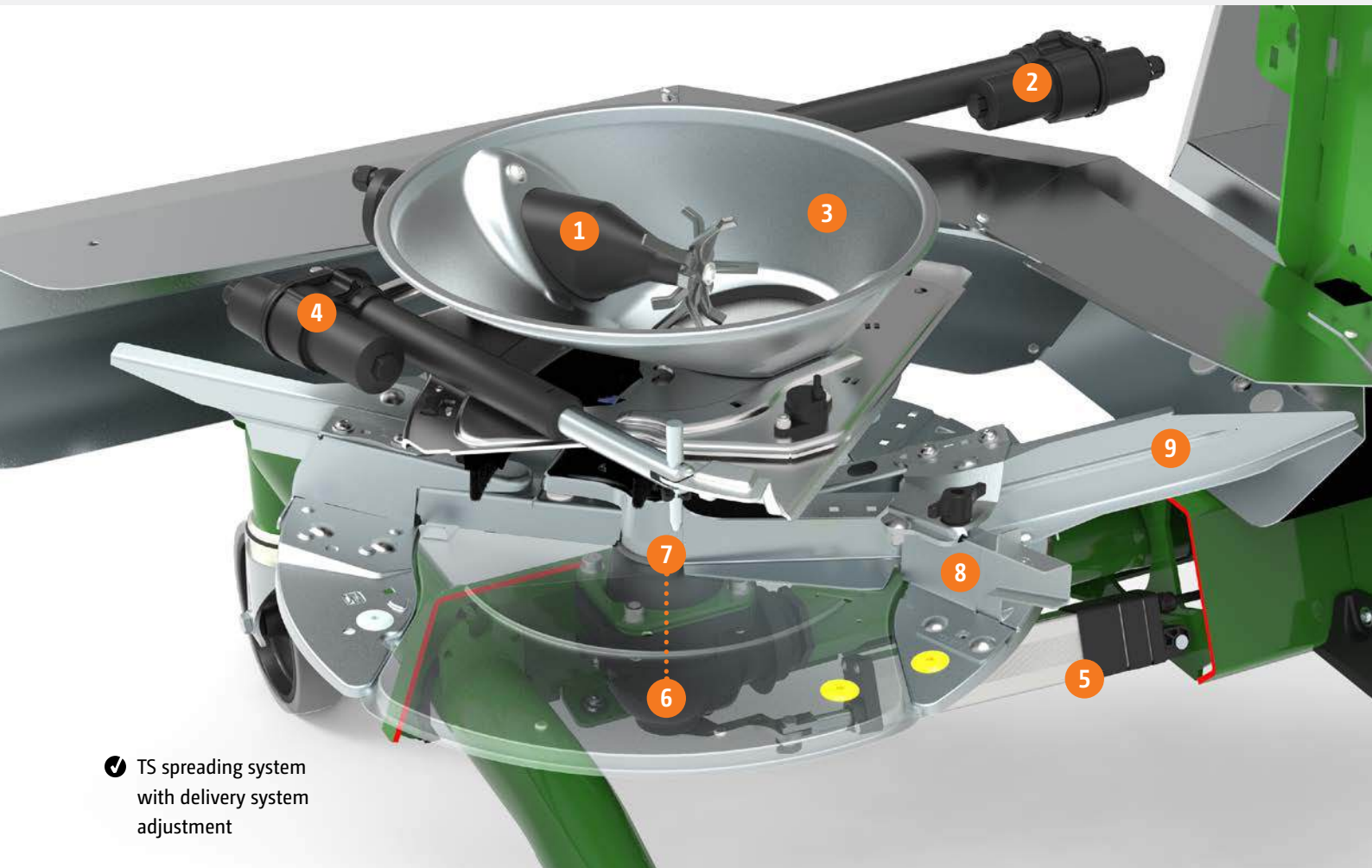
4. Gentle ejection

With the AMAZONE Soft Ballistic System pro, as little energy as possible is given to the fertiliser for an optimum trajectory and a precise spread pattern. So, the spreading vanes are optimally adjusted to a laid-back position.



TS spreading system

Perfection in every component, just like clockwork



- ✓ TS spreading system with delivery system adjustment

Characteristics of the TS spreading system

Delivery system adjustment of the TS spreading system

- 1) Intelligent agitator for maximum fertiliser protection
- 2) Electric setting motor for rotating the delivery system
- 3) Delivery system for implementing the Section Control, HeadlandControl and WindControl functions ArgusTwin
- 4) Electric setting motor for a precise fertiliser metering with application rates from 3 kg/min to 650 kg/min

Bottom assembly of the TS spreading system

- 5) Electric setting motor for adjustment of the carrier vane
- 6) AutoTS gearbox, the heart of the integrated border spreading system
- 7) Comfortable changeover between border and normal spreading by moving the carrier vane
- 8) Short border spreading vane for sharp side, border and water course spreading
- 9) Long normal spreading vane for high throwing widths and double overlap, even at a working width of 36 m

- ❗ "A 12V motor drives the agitator which rotates at 60 rpm. It switches off when the shutter is closed and it reverses as soon as a foreign object blocks the agitator."

(dlz agrar magazine – Long term test ZA-TS 3200 Profis Hydro - 02/2017)



The agitator – soft-handling and gentle

The basic function of the agitator is to convey the fertiliser actively towards the shutter aperture, so that a constant rate of fertiliser can be applied. Fertiliser lumps, which manage to pass the sieve, are, especially at low application rates, actively broken up via the star agitator which runs in the hopper bottom.

If a foreign object reaches the hopper tip and the agitator is subject to an excessive load, the relevant electric motor automatically reverses in combination with the relevant shutter slide opening and remedies any blockage automatically. The perfect interaction of agitator and shutter slide becomes obvious on headlands or when spreading in wedge-shaped fields. As soon as one metering aperture is

completely closed, the agitator above stops automatically. In this way the valuable fertiliser is protected from being ground up.

The benefits of electric agitation

- ✔ two slow-running, fertiliser-protecting agitators; turning at just 60 rpm
- ✔ that switch off automatically as soon as the shutter slide is closed, also just to the one side and independently of each other
- ✔ that reverse automatically when blocked by a foreign object
- ✔ active delivery of the fertiliser flow to the aperture



- ❗ "The electric agitators operate independently left or right and only when that shutter is opened"

(profi – Practice Test "Four fertiliser spreaders in comparison" - 01/2016)

The AMAZONE delivery system

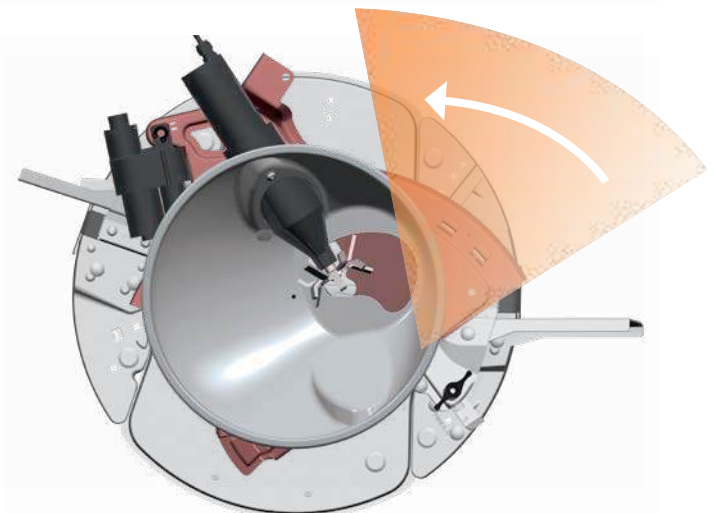
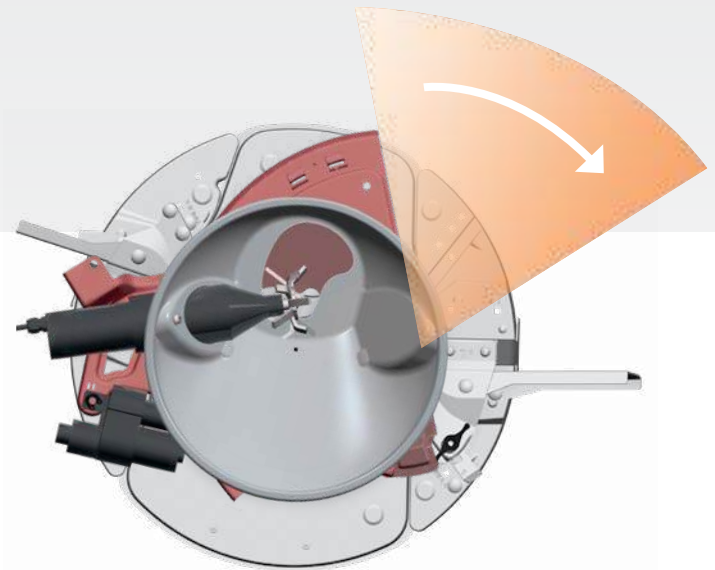
for first-class spreading results

Concentric delivery system adjustment

The fertiliser is mainly deposited, via the delivery system, and thus in as gentle a manner as possible, at the centre-point of the spreading discs. The circumferential speeds are low at this point on the discs, and the fertiliser is handled very gently. For setting the spreading unit to different working widths and different types of fertiliser, the delivery system is swivelled (concentrically) around the centre of the discs. The distance between the feed-on point of the fertiliser and the centre of the disc always remains the same.

The swivelling of the delivery system offers a wide bandwidth of possible working widths. The range of 15 m to 54 m working width is covered by just three sets of spreading vanes.

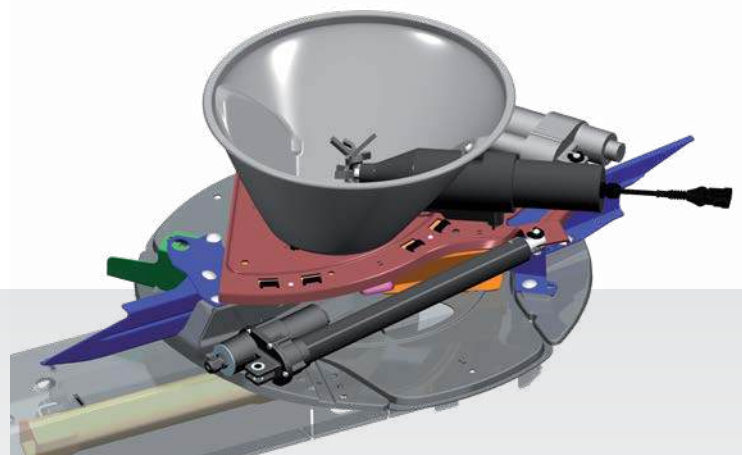
All TS spreading systems with electric delivery system adjustment are suitable for the ArgusTwin spread pattern monitoring system.



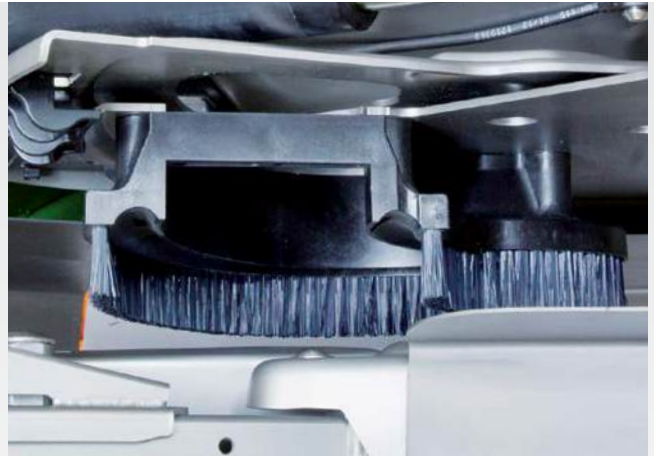
✔ The delivery system swivels around the centre of the disc



✔ Mechanical delivery system adjustment



✔ Electric delivery system adjustment



✔ Brush unit for a clean delivery onto the spreading discs

Ultra-quick and precise! Electric setting motors

A spreader which, due to the high application rates and operational speeds possible, explores new dimensions in terms of work rates and which, of course, needs to perform extremely precisely at the same time. This requires setting motors that function extremely quickly and exactly. Especially in applications, such as the automatic on/off switching at the headland or in wedge-shaped fields, spreading using application maps or with the continuous on-board monitoring (ArgusTwin and WindControl), the setting motors ensure the highest level demands are met.

Clean transfer – the brush unit

The bristles of the brushes which are fitted directly to the apertures reach to the upper edge of the spreading vanes so that the fertiliser is safely delivered onto the disc.

Quantity effect-free metering aperture

If it is intended to spread a constant application rate it is necessary to match the size of the aperture to the prevailing forward speed. Thanks to the shutter slide, this task is fulfilled very quickly and sensitively. Due to the

kidney-shaped design of the metering aperture, the spread pattern remains unchanged and precise, even at varying forward speeds so that the position of the delivery system does not require any adjustment.



Stage 1: hopper aperture slightly open



Stage 2: hopper aperture half open



Stage 3: hopper aperture wide open

TS spreading discs

For the utmost precision at all spreading widths up to 54 m

Spreading system made from stainless steel – for a long service life

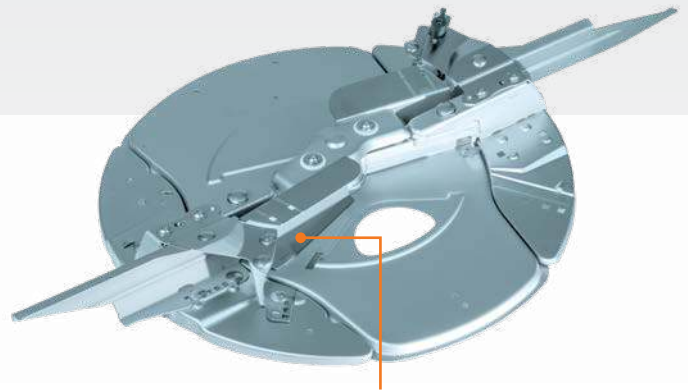
On the TS spreaders, the entire spreading system is made from stainless steel ensuring a long service life.

The different spreading vane sets can be quickly and easily exchanged using an interchangeable system. The ideal solution, for example, for agricultural contractors.

Between normal spreading and border spreading, different spreading vanes are activated via the so-called AutoTS system without the necessity to change spreading disc settings.

Hard-metal-coated spreading vanes

The spreading vanes are coated with a special long-lasting anti-wear protection. Consequently, the result is a three-



The integrated AutoTS border spreading system is activated electrically.

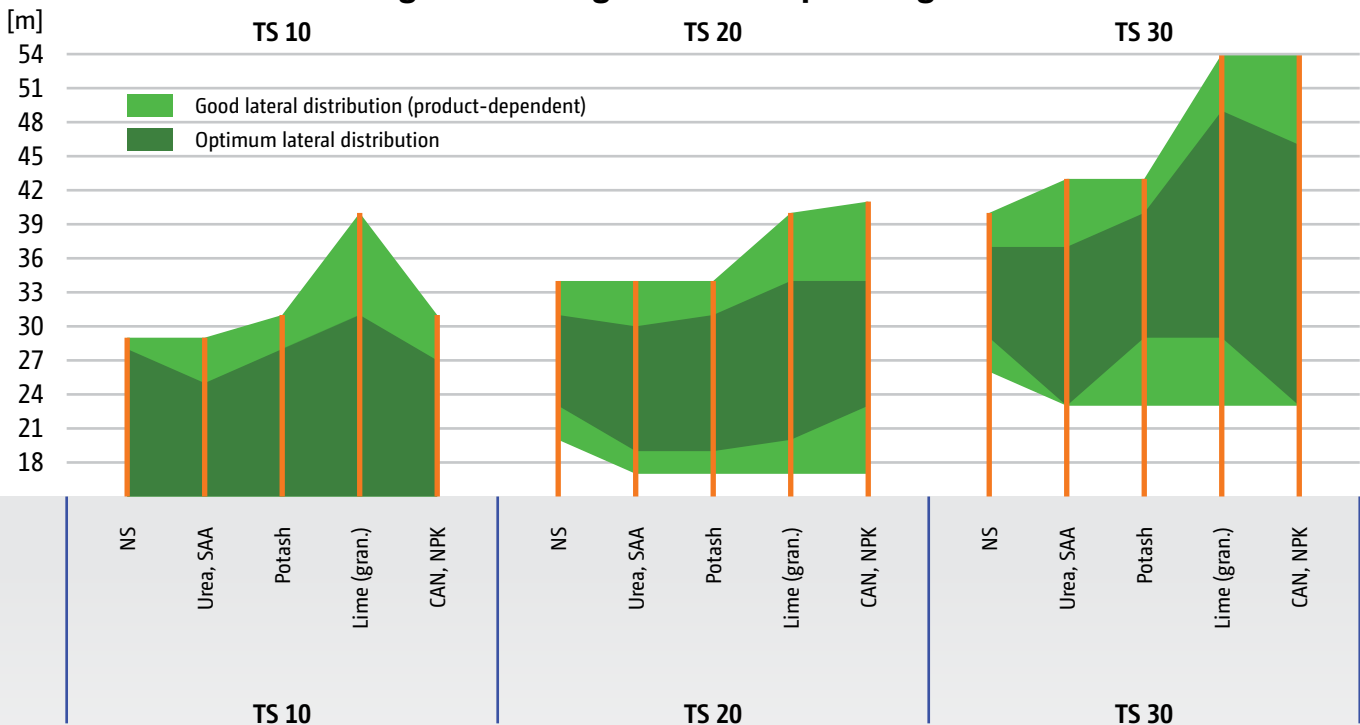
❶ "For different working widths it is then just a case of interchanging the spreading vane set – a very comfortable solution." (profi – Driving impression ZA-TS 4200 Profis Hydro fertiliser spreader– 06/2013)

fold increase in lifespan.

Optimum working width ranges of the spreading vane sets, depending on the fertiliser being spread:

- ✔ TS 10 = 15 m – max. 27 m
- ✔ TS 20 = 21 m – max. 33 m
- ✔ TS 30 = 24 m – max. 54 m

Range of working widths for spreading vane sets



Optimised spread pattern



Normal spreading

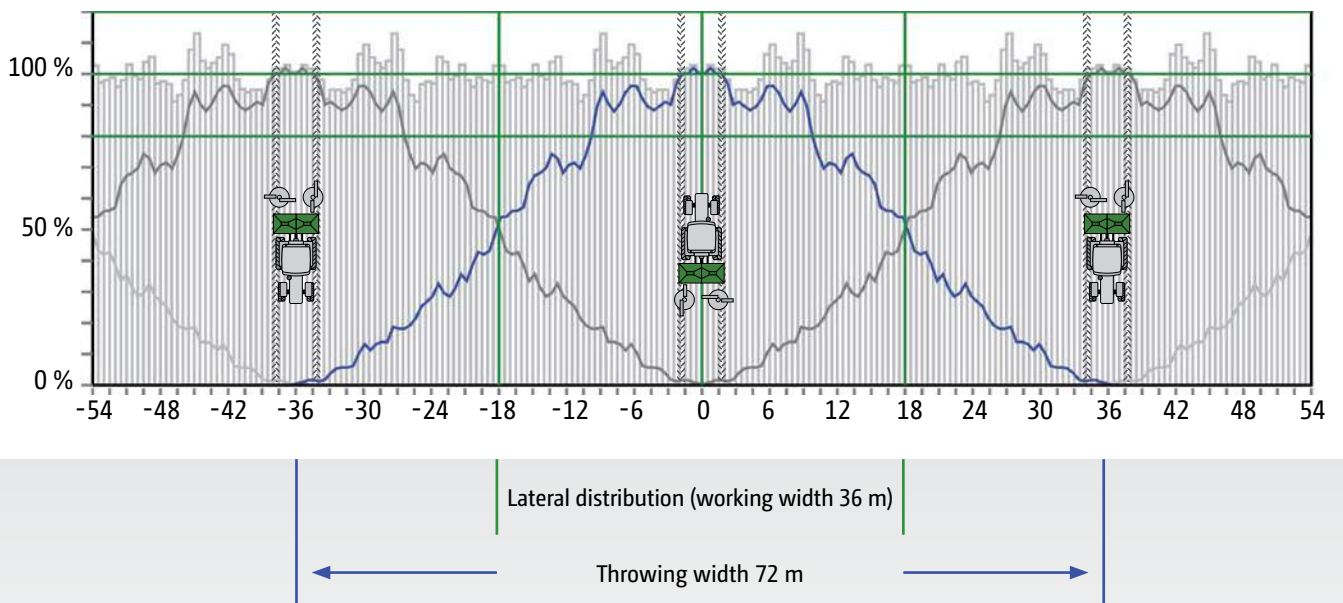
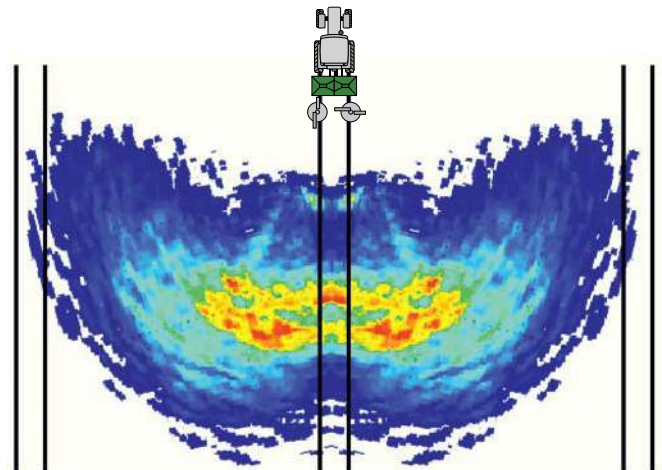
Via the adjustment of the delivery system, the feed-on point of the spreading material on to the spreading disc is changed and thus the spreading width and the lateral distribution are controlled. In addition, the working width can be set even more individually by changing the disc speed.

Non-sensitive spread pattern via the multi-sectional spread fan

The specific profile and angle of the spreading vanes result in a multi-spread fan from the TS spreading unit. This means that the pattern of the fertiliser from the long and short spreading vanes do not influence each other and so an optimum trajectory is maintained.

Three-dimensional spread pattern

The spreading unit has been developed using three-dimensional spread patterns so that a perfect lateral distribution of up to 54 m working widths is achieved. The large overlap zones ensure a perfect spread pattern and are significantly more consistent with regard to any external influences such as side winds, a change in topography, humidity or changing fertiliser quality.



Border spreading systems from AMAZONE

Complete control. At all times!



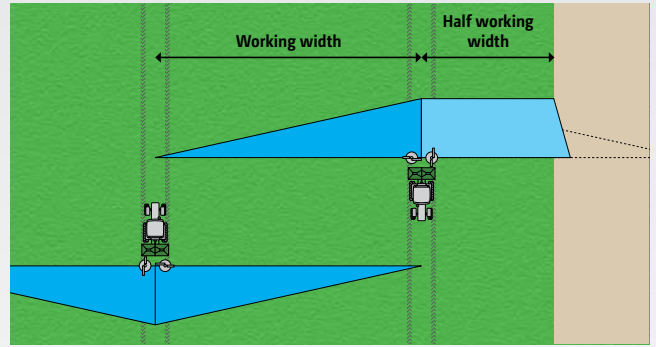
- ❗ Boundary spreading systems make particular sense when application rates are high. In these cases the more expensive systems will also pay off.
 (top agrar – "Precision goes boundary spreading" – 07/2022)

- ✔ AMAZONE offers setting recommendations for all border spreading techniques

Effective and precise – spread only where the fertiliser will benefit plant development

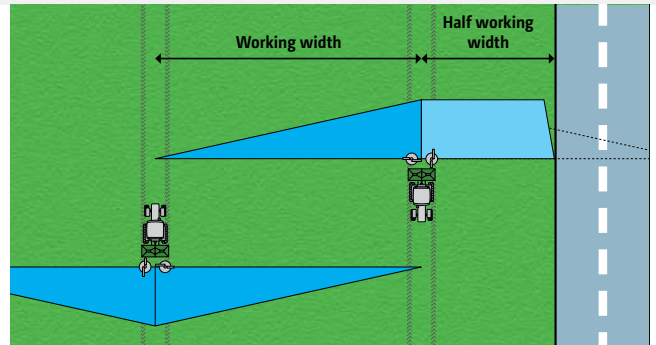
Side spreading (yield-oriented adjustment)

The neighbouring field is an area that is used agriculturally. In this case it is tolerable for a small quantity of fertiliser to be thrown over the field border. The full target rate is applied right up to the field boundary.



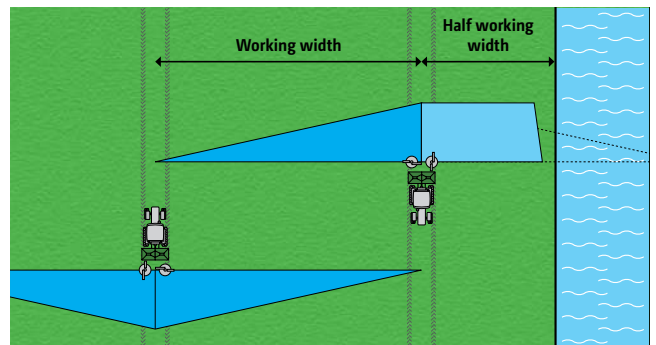
Border spreading (environmentally-oriented adjustment)

If the field is adjacent to a road or cycle path, no fertiliser may be thrown beyond the field border. In this case, the throwing distance is adjusted in combination with the shutter slide.



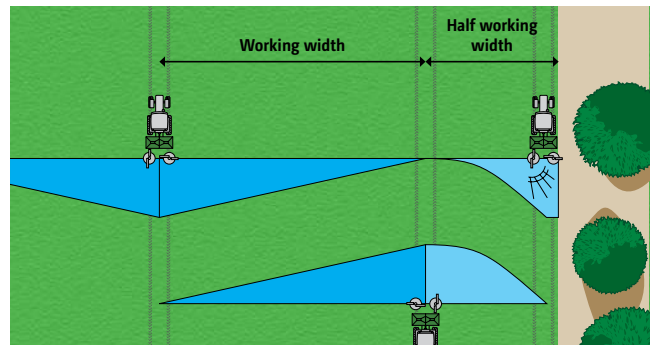
Water-course spreading (environmentally oriented adjustment)

If there is a body of water directly at the edge of the field, a defined distance away from the water must be maintained when fertilising according to the fertiliser regulations. For this purpose, the throwing distance is further reduced in combination with the shutter slide.



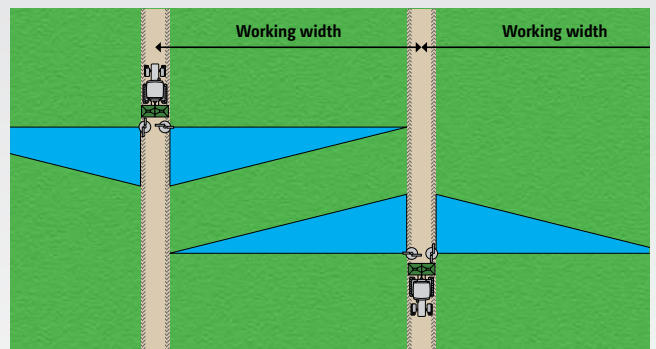
BorderTS in combination with AutoTS

Using the BorderTS deflector means that the full amount of fertiliser is applied right up to the field boundary, without spreading beyond it. In combination with AutoTS, the area between the first tramline and the field boundary is fertilised with the desired application rate. A sharp-edged cut-off right up to the field boundary is achieved.



Bed spreading with bed spreading deflector for both sides

For spreading specialist crops in beds to either side of the tractor, AMAZONE offers the bed spreading deflector. It keeps the track virtually free of fertiliser. Actuation of the bed spreading deflector is carried out hydraulically from the tractor seat.



AutoTS

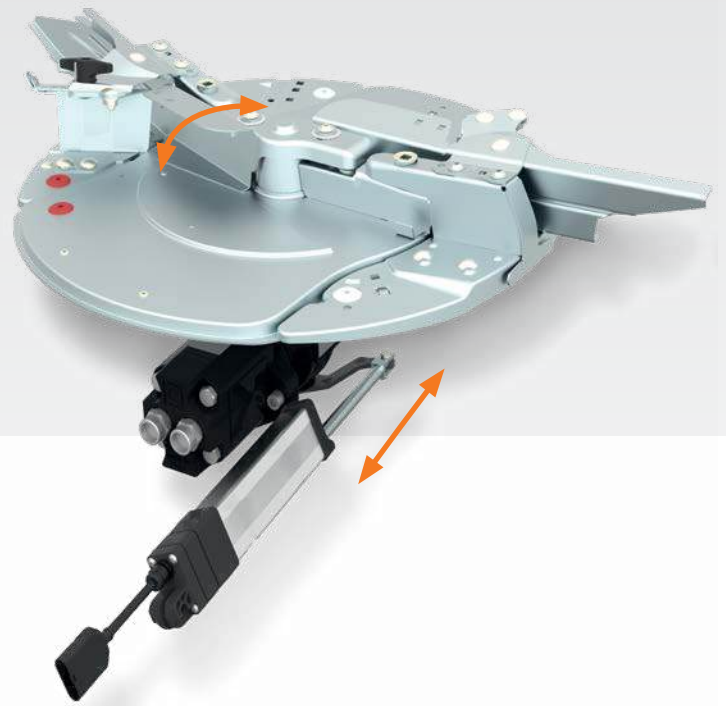
The disc-integrated border spreading system

AutoTS – Comfortable adjustment and precise lateral distribution right up to the field border

The disc-integrated AutoTS border spreading system, enables the activation of the different border spreading techniques – side, border or watercourse spreading – comfortably via the terminal in the tractor cab and irrespective of which side.

AutoTS – the ingenious principle

A setting motor twists the carrier vane forwards by approximately 10 ° so that, when border or watercourse spreading, the fertiliser is delivered via the shorter border spreading vanes. Due to the combination of disc speed and a shorter vane, the fertiliser is thrown over a significant shorter distance without affecting it mechanically.



AutoTS – adjustment of the carrier vane for border spreading

❶ "The design specification for the development of the Amazone ZA-TS was clear: no longer should there be any compromise between normal spreading and side, border and watercourse spreading around the field boundaries."

(profi – Spreading systems in practice "hydraulic or mechanical" · 06/2017)

AutoTS – setting for normal spreading



AutoTS – setting of carrier vane for border spreading



Border Spreading Calculator – calculate those additional profits

With AutoTS, an average increase in yield of about 17% can be achieved around the field boundary compared with other well-known systems. Calculate it for yourself now!

For tablet and desktop:
www.amazone.net/border-spreading-calculator



- ✔ **Border spreading with ClickTS**
 As an alternative to having the AutoTS system on both sides that can be controlled remotely from the tractor cab, there is now the option of AutoTS just on the one-side alongside the manually-adjusted ClickTS on the other. ClickTS is possible on both sides as well.

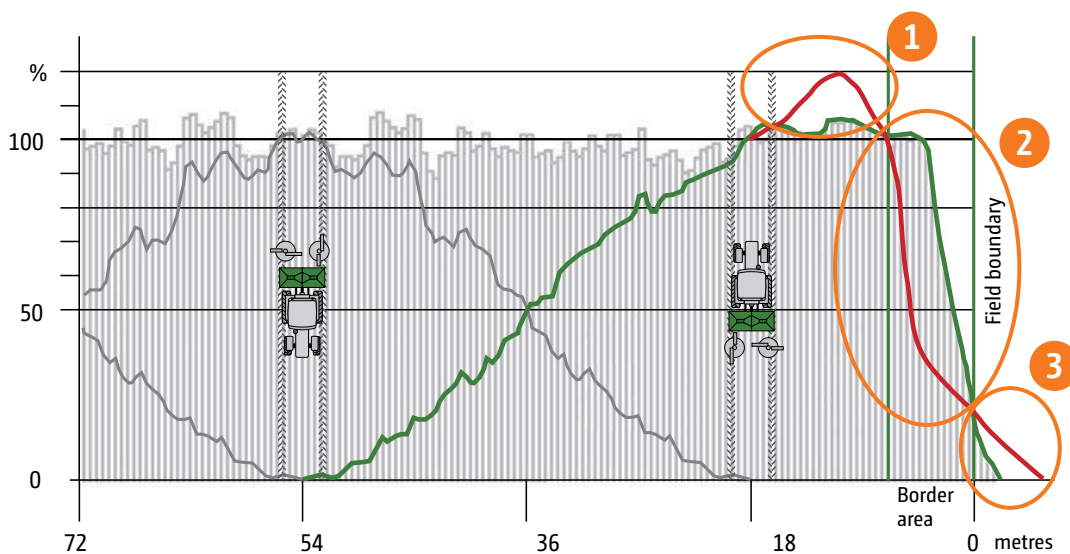


Increased yield on the border thanks to AutoTS and ClickTS

The AutoTS and ClickTS border spreading systems generate a steep border spread pattern and thus the ability to provide the optimum growth conditions close to the field border. Compared to other border spreading systems, a significant increase in yield is possible.

Exclusive!

Automatic rate reduction when border spreading is possible with the AutoTS spreading unit. Rate changes are possible in freely-selectable percentage steps. As the two spreading discs can be operated independently from one another, the change can be applied to just one, or both sides.



	AutoTS border spreading system	Conventional border spreading systems
1	A shorter spreading vane restricts the throwing distance of the fertiliser.	Mechanically diverting the fertiliser causes potential fertiliser damage, where the broken granules land next to the tramline.
2	The fertiliser is handled more gently and is optimally distributed right up to the boundary.	The broken granules are not spread out to the border area, resulting in under-fertilisation.
3	Due to the reduced throwing speed of the fertiliser, only a few granules fall beyond the field edge.	Not all fertiliser granules are mechanically deflected, meaning that the fertiliser is spread well beyond the field boundary.

Exclusive!

BorderTS border spreading system

Spread only where the crop will benefit from the fertiliser applied



Maximum amount of fertiliser right up to the field boundary

AMAZONE has developed the BorderTS deflector for even more precise fertilisation up to the field boundary when spreading at those larger working widths. In contrast with conventional border spreading deflectors, the BorderTS deflector operates in collaboration with the AutoTS border spreading system integrated in the spreading discs. The spread patterns of both the BorderTS and the AutoTS are matched to each other.

All values can be stored in the spreader settings beforehand, so that the appropriate setting parameters are set automatically depending on the application situation.

- ❗ "With the BorderTS, Amazone offers an extended version of AutoTS, which delivers the full rate right up to the boundary."
- ❗ "... BorderTS can be used for base fertiliser applications, on grass land and in row crops. In addition, a pass is also possible for that initial application in cereal crops with tramlines, as in our case. The wheel tracks at the field edge disappear in time. The plants get the full fertiliser rate and start the new season in good shape."

(profi – "Border work" – 04/2022)

- ✔ Using the BorderTS border spreading system enables increased yields of up to 27% on the outer five metres of the field boundary area when compared with conventional border spreading systems.

Animation of the BorderTS border spreading system:
www.amazone.net/yt-border-ts

